

**IN THE CLAIMS**

This listing of claims replaces all prior listings:

1-26 (Cancelled).

27. (Currently Amended) A solid-state image sensor comprising ~~unit pixels, each~~  
~~unit pixel having:~~

\_\_\_\_\_ (a) a plurality of unit pixels with each unit pixel having

\_\_\_\_\_ (i) a photoelectric conversion element for converting incident light into a an  
electric signal charge and ~~then~~ storing the signal charge obtained through such photoelectric  
conversion[[:]],

\_\_\_\_\_ (ii) an amplifying element effective to amplify the signal charge stored in said  
photoelectric conversion element into an electric signal[[:]], ~~and~~

\_\_\_\_\_ (iii) a reset element effective to reset said signal charge[[:]] [[:]]; and

\_\_\_\_\_ (b) a selection circuit configured to provide a reset signal to the reset element and a  
selection signal to the selection element,

wherein,

said reset element is a depletion mode transistor, and

the reset gate of said depletion mode transistor is a transverse overflow barrier.